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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

TARCZA, JOHN D

ART UNIT

PAPER NUMBER

2126

DATE MAILED: 12/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/387,927

Applicant(s)

HARJANTO, ANDY *W*

Examiner

John D Tarcza

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☒ Claim(s) 6 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claim 6 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The phrase "assigning the interface for each interface" in claim 6 line 5 is unclear.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-13,15-29 rejected under 35 U.S.C. 102(e) as being anticipated by Chan.

Referring to claim 1, Chan teaches:

- Inputting an aggregatable software object (OLE / COM object, col. 4 lines 35 – col. 5 line 18) consistent with a predetermined software object framework (OLE / COM) and having a class identification (CLSID) and one or more interfaces (interfaces) each interface having an interface identification (REFIID)
- Associating (binding, col. 9 line 6 – col. 10 line 8 / OleDs object corresponds to object of a directory service, col. 6 lines 7 - 25) one of a directory class (object class, col. 6 lines 17-19) and a directory attribute (object, col. 6 lines 15-17) to the class identification (CLSID, col. 4 line 49) of the aggregatable software object (OleDs object) as stored in a predetermined location (registry, col. 4 line 48-50).

Referring to claim 2, Chan teaches querying (CoGetClassObject, col. 17 lines 7-9), to expose an interface (class factory interface, lines 10-14)

Referring to claim 3, Chan teaches creating an instance (IClassFactory::CreateInstance, line 12)

Referring to claim 4, Chan teaches invoking an interface (invokes IClassFactory, line 12) via interface identification (function returns pointer to a class factory interface, lines 10-11)

Referring to claim 5, Chan teaches creating an instance (create instance, col. 17

Art Unit: 2126

lines 11-16)

Referring to claim 6, Chan teaches

- creating (inherent) the object, assigning the class identification (CLSID, col. 4 lines 37-41)
- creating and implementing one or more interfaces (inherent), assigning an interface identification (REFIID, inherent) for each interface.

Referring to claim 7, Chan teaches COM (COM, col. 4 line 60-67 / OLE 2.01, col. 4 lines 41-43)

Referring to claim 8, Chan teaches NT Directory Services (WinNTDS, col. 9 lines 55-57)

Referring to claims 9 and 10, see the rejection to claim 1 which meets the limitations of these claims.

Referring to claims 11 and 12, Chan teaches a client location (client program, inherently at client location, col. 4 lines 35-37), comprising a registry (registry, col. 4 line 48)

Referring to claim 13, Chan teaches a server location (inherent, OleDs maintains a registry, col. 7 lines 1-7.

Referring to claim 15, Chan teaches

- Querying (invoking the function CoGetClassObject, col. 17 lines 4-9) a directory class (class for OleDs namespaces object) to expose the one or more interfaces (interface identifier, line 9) of an aggregatable software

Art Unit: 2126

object (OleDs namespaces object) having a class identification (class) previously associated (inherent)

- Invoking (invokes IClassFactory::CreateInstance, line 12) via interface identification (passing interface identifier, lines 12-13)
- Creating an instance (IClassFactory::CreateInstance method creates an instance, lines 10-16)

Referring to claim 16, Chan teaches creating an instance

(IClassFactory::CreateInstance, col. 17 line 13) upon querying

(CoGetClassObject, lines 7-8)

Referring to claim 17, see Invoking and Creating from the rejection to claim 15.

Referring to claim 18-23, 24-26, see the rejection to the corresponding method claims 1-6, 15-17 respectively.

Referring to claim 27, Chan teaches

- Directory (inherent throughout)
- At least one directory services (various directory services, col. 6 lines 7-13)
- Directory services interface (OleDs, col.6 lines 7-25) providing a common abstract interface (interface)
- Directory services interface extension (extending component, col. 5 lines 45-49) providing an extended functionality (define new object classes and new properties)

Referring to claim 28, Chan teaches an aggregatable software object (OLE / COM object, col. 4 lines 35-67) consistent with a predetermined software object framework (OLE / COM) and having a class identification (CLSID) and one or more interfaces (interfaces), each interface having an interface identification (interface identification / REFIID).

Referring to claim 29, Chan teaches the directory comprising a directory class (object class, col. 17-19) and a directory attribute (object, col. 6 lines 15-17), with the class identification stored in a permanent location (registry, lines 48-50).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 14 rejected under 35 U.S.C. 103(a) as obvious over Chan in view of MSDN ("Lowering Total Cost of Ownership with Active Directory-Enabled Applications"). MSDN teaches associations (names and locations of COM objects) are stored in a directory (directory tree). It would be obvious to one of ordinary skill in the art to apply this combine this reference with Chan because both references are related to using COM with directory services.

**Conclusion**

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Thompson, Nigel: "MFC/COM Objects 4: Aggregation", regarding aggregation with COM objects.

"Microsoft Active Directory Services Interfaces: ADSI Open Interfaces for Managing and Using Directory Services", regarding active directory extensions.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John D Tarcza whose telephone number is 703-305-8050. The examiner can normally be reached on 8:00 am - 4:30 pm Monday - Friday.

The fax phone number for the organization where this application or proceeding is assigned is 703-305-9731 for regular communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

John D Tarcza  
Examiner  
Art Unit 2126

jdt  
December 10, 2002

  
ALVIN OBERLEY  
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